

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000030**Date Inspected:** 09-Apr-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1630**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Lu Jin Hua**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Mechanical test for welder and welding operator qualifications**Bridge No:** 34-0006**Component:** N/A**Bid Item:** 52**Lot No:** N/A**Summary of Items Observed:**

The Caltrans Quality Assurance (QA) Inspector, Alfredo Acuna was present for the welder and welding operator qualification tests (mechanical tests) scheduled for this project.

Caltrans representatives John Kinsey and Alfredo Acuna had a conversation with Zhenhua Port Machinery Company, Ltd (ZPMC) QC representative Lu Jin Hua regarding welder and welding operator qualifications tests. Mr. Kinsey questioned Mr. Lu when ZPMC was going to perform the mechanical test for the welder and welding operator qualification tests held on April, 03 and 04, 2007. Mr. Lu relayed to the Caltrans representatives that ZPMC had already completed with the bend tests on April 8, 2007 and Moody International representatives witnessed the tests. Mr. Kinsey relayed that the test was previously scheduled on April 9 and American Bridge/Flour Enterprises, a JV (ABF) was supposed to notify Caltrans in a timely matter of ZPMC's schedule changes in according with Caltrans Special Provisions. Mr. Lu conveyed that he inadvertently failed to notify to Caltrans representatives.

The QA inspector was present at the meeting with ZPMC QC representatives Lu Jian Hua and Huang Yu Hai, American bridge representative (ABF), Craig Knops and Dave William and Caltrans representatives Jim Merrill, John Kinsey and Mike Hasler. Mr. Kinsey and Mr. Merrill conveyed to ABF and ZPMC representatives that ABF failed to notify Caltrans representatives the ZPMC's schedule for the bend test according to Caltrans Special Provisions. Mr. Merrill relayed that ZPMC would need to cut and re-bend new test samples (traceable to the welder and welding operator qualification tests performed on April 3 and 4, 2007) and notification of ZPMC's schedule for the bend tests to Caltrans representatives. ABF and ZPMC representatives agreed to cut and re-bend another set of coupons and give notification to Caltrans representatives prior the bend test commence.

After reviewing the bend test report submitted by ZPMC, Caltrans representatives observed that the report was not signed by Moody International representative. In addition to the notification, the Moody International test result

---

## SOURCE INSPECTION REPORT

( Continued Page 2 of 2 )

---

column was not clearly stated if the test results were accepted or rejected by ZPMC. The QA inspector had a conversation with ABF representative Craig Knops. The QA inspector brought to the attention of Mr. Knops the ZPMC bend test report discrepancies above noted. Mr. Knops agreed and conveyed to the QA inspector that the bend test reports would be corrected in the future.

Later, the QA inspector was present at the ZPMC's lab verifying the material traceability for the second set of bend test coupons for the welder and welding operator qualification tests taken from the remaining material from the welder test. The QA inspector observed that the remaining of test coupons appeared to be traceable and in compliance with the contract documents. The QA inspector had a conversation with Mr. Lu and Mr. Knops. Mr. Lu relayed to the QA inspector that the test specimens were going to be sent to the machine shop to be cut. In addition, Mr. Knops relayed that 5 test specimens (070403102, 070403005, 070403007, 070403058 and 070403060) that were rejected by Caltrans representatives after reviewing radiographic films were also rejected by ZPMC and ABF.

### Summary of Conversations:

See Task Leader journal for this week.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

---

|                      |               |                             |
|----------------------|---------------|-----------------------------|
| <b>Inspected By:</b> | Acuna,Alfredo | Quality Assurance Inspector |
| <b>Reviewed By:</b>  | McClary,David | QA Reviewer                 |

---